



BIZ-045CPCN

## SEQUENCE LISTING

<110> Lu, Kung Ping  
Wulf, Gerbung  
Xiao, Zhen Zhou

<120> PIN1 as a Marker for Abnormal Cell Growth

<130> BIZ-045CPCN

<140> 10/683880

<141> 2003-10-09

<150> 09/726464

<151> 2000-11-29

<150> 60/167800

<151> 1999-11-29

<150> 60/253676

<151> 2000-11-28

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Gly Trp Glu Lys Arg Met Ser Arg Ser Ser Gly Arg Val Tyr Tyr Phe	
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AAC CAC ATC ACT AAC GCC AGC CAG TGG GAG CGG CCC AGC GGC AAC AGC	147
Asn His Ile Thr Asn Ala Ser Gln Trp Glu Arg Pro Ser Gly Asn Ser	
30 35 40	
AGC AGT GGT GGC AAA AAC GGG CAG GGG GAG CCT GCC AGG GTC CGC TGC	195
Ser Ser Gly Gly Lys Asn Gly Gln Gly Glu Pro Ala Arg Val Arg Cys	
45 50 55	
TCG CAC CTG CTG GTG AAG CAC AGC CAG TCA CGG CGG CCC TCG TCC TGG	243
Ser His Leu Leu Val Lys His Ser Gln Ser Arg Arg Pro Ser Ser Trp	
60 65 70	
CGG CAG GAG AAG ATC ACC CGG ACC AAG GAG GAG GCC CTG GAG CTG ATC	291
Arg Gln Glu Lys Ile Thr Arg Thr Lys Glu Glu Ala Leu Glu Leu Ile	
75 80 85	
AAC GGC TAC ATC CAG AAG ATC AAG TCG GGA GAG GAG GAC TTT GAG TCT	339
Asn Gly Tyr Ile Gln Lys Ile Lys Ser Gly Glu Glu Asp Phe Glu Ser	
90 95 100	
CTG GCC TCA CAG TTC AGC GAC TGC AGC TCA GCC AAG GCC AGG GGA GAC	387
Leu Ala Ser Gln Phe Ser Asp Cys Ser Ser Ala Lys Ala Arg Gly Asp	
110 115 120	

CTG GGT GCC TTC AGC AGA GGT CAG ATG CAG AAG CCA TTT GAA GAC GCC 435  
 Leu Gly Ala Phe Ser Arg Gly Gln Met Gln Lys Pro Phe Glu Asp Ala  
                   125                  130                  135

TCG TTT GCG CTG CGG ACG GGG GAG ATG AGC GGG CCC GTG TTC ACG GAT 483  
 Ser Phe Ala Leu Arg Thr Gly Glu Met Ser Gly Pro Val Phe Thr Asp  
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tcc ggc atc cac atc atc ctc cgc act gag tgaggggtggg gagcccaggc 533  
 Ser Gly Ile His Ile Ile Leu Arg Thr Glu  
                   155                  160

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Gln Trp Glu Arg Pro Ser Gly Asn Ser Ser Ser Gly Gly Lys Asn Gly  
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Gln Gly Glu Pro Ala Arg Val Arg Cys Ser His Leu Leu Val Lys His  
                   50                  55                  60

Ser Gln Ser Arg Arg Pro Ser Ser Trp Arg Gln Glu Lys Ile Thr Arg  
   65                  70                  75                  80

Thr Lys Glu Glu Ala Leu Glu Leu Ile Asn Gly Tyr Ile Gln Lys Ile  
                   85                  90                  95

Lys Ser Gly Glu Glu Asp Phe Glu Ser Leu Ala Ser Gln Phe Ser Asp  
                   100                  105                  110

Cys Ser Ser Ala Lys Ala Arg Gly Asp Leu Gly Ala Phe Ser Arg Gly  
                   115                  120                  125

Gln Met Gln Lys Pro Phe Glu Asp Ala Ser Phe Ala Leu Arg Thr Gly  
   130                  135                  140

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Glu Met Ser Gly Pro Val Phe Thr Asp Ser Gly Ile His Ile Ile Leu  
145 150 155 160

Arg Thr Glu